

Generic PVOH

Polyvinyl Alcohol

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PVOH
This information is provided for comparative purposes only.

General Information			
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.29	g/cm³	ISO 1183
Solution Viscosity	3 to 129	mPa·s	ASTM D445
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25 to 77	µm	
Secant Modulus			
MD	8.96 to 20.4	MPa	ASTM D882
TD	8.96 to 79.1	MPa	ASTM D882
23°C	8.96 to 23.0	MPa	ISO 527-3
Tensile Strength			
MD : Break	23.5 to 47.0	MPa	ASTM D882
23°C	24.2 to 77.9	MPa	ISO 527-3
Tensile Elongation			
MD : Break	180 to 590	%	ASTM D882
Break, 23°C	220 to 590	%	ISO 527-3
Dart Drop Impact (23°C)	260 to 2200	g	ASTM D1709, ISO 7765-1
Elmendorf Tear Strength			
MD	90 to 1300	g	ASTM D1922
--	0.010 to 130	N	ISO 6383-2
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	58.0 to 85.0	°C	ISO 11357-2
Melting Temperature	180 to 230	°C	ISO 11357-3
CLTE - Flow	8.5E-5	cm/cm/°C	ISO 11359-2
Specific Heat (23°C)	1650 to 1660	J/kg/°C	ASTM C351
Thermal Conductivity (23°C)	2.0	W/m/K	ISO 8302

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